

AMENDMENTS TO THE CLAIMS

This listing of claims replaces all prior versions, and listings, of claims in the application:

1. (Currently Amended): A cooling media pack comprising:

a plurality of alternating sheets each of which comprises:

 a plurality of ridges; and

 a plurality of voids,

wherein each sheet has an undulating shape,

wherein the ridges of every other sheet are oriented substantially in a first direction,

wherein the ridges of the adjacent sheets are oriented substantially in a different direction,

wherein each of the ridges comprises a peak and a trough,

wherein the peaks of one sheet are joined to the troughs of a sheet adjacent to it,

wherein the ridges of each of the sheets are oriented at an angle between about 20° and 30°, with respect to the horizontal, and

 wherein the cooling media is adapted configured, by: (a) a ratio of the area occupied by the voids to the surface area of the sheet; and (b) an angle at which the ridges are oriented with respect to the horizontal, to be used in: (i) counter-flow film-fill cooling towers; (ii) counter-flow splash-fill cooling towers; and (iii) cross-flow splash-fill cooling towers.

2. (Currently Amended): The cooling media pack according to claim 1, wherein a ratio of the area occupied by the voids to the surface area of the sheets is between about 0.20:1 and about 0.75:1.

3. (Original): The cooling media pack according to claim 2, wherein the ratio is about 0.315:1.

4. (Currently Amended): The cooling media pack according to claim 1, wherein the cooling media pack is adapted configured to enable water droplets to drop substantially vertically through voids in at least two consecutive ridges in a sheet.

5. (Canceled):

6. (Canceled):

7. (Currently Amended): The cooling media pack according to claim 1, wherein the angle at which ridges of each of the sheets are oriented with respect to the horizontal is at an angle of about 26.6°, with respect to the horizontal.

8. (Original): The cooling media pack according to claim 1, wherein the voids have substantially similar sizes and shapes.

9. (Original): The cooling media pack according to claim 8, wherein the shape of the voids is selected from the group consisting of circles, triangles, squares, diamonds, rectangles, hexagons, ovals, and teardrops.

10. (Original): The cooling media pack according to claim 1, wherein each of the sheets is formed from a material selected from the group consisting of plastic, metal, tile, paper, and ceramic.

11. (Original): The cooling media pack according to claim 10, wherein the plastic is PVC, HPVC, or CPVC.

12. (Currently Amended): The cooling media pack according to claim 1, wherein the cooling media pack is adapted configured to promote upward airflow therethrough, and wherein the airflow is substantially vertical.

13. – 20. (Canceled):

21. (Currently Amended): ~~A cooling~~ The cooling media pack according to claim 1, comprising:

~~a plurality of alternating sheets each of which comprises:~~

~~a plurality of ridges; and~~

~~a plurality of voids,~~

~~wherein each sheet has an undulating shape,~~

~~wherein the ridges of every other sheet are oriented substantially in a first direction,~~

~~wherein the ridges of the adjacent sheets are oriented substantially in a different direction,~~

~~wherein each of the ridges comprises a peak and a trough,~~

~~wherein the peaks of one sheet are joined to the troughs of a sheet adjacent to it,~~

~~wherein the ridges of each of the sheets are oriented at an angle between about 20° and 30°, with respect to the horizontal, and~~

wherein the cooling media pack is ~~adapted~~ configured to inhibit the formation and/or accumulation of bacteria on the sheets.

22. (Currently Amended): The cooling media pack according to claim 21, ~~wherein a~~ wherein the ratio of the area occupied by the voids to the surface area of the sheets is between about 0.20:1 and about 0.75:1.

23. (Original): The cooling media pack according to claim 22, wherein the ratio is about 0.315:1.

24. (Original): The cooling media pack according to claim 21, wherein the voids have substantially similar sizes and shapes.

25. (Canceled):

26. (Previously Presented): The cooling media pack according to claim 28, wherein the plastic is PVC, HPVC, or CPVC.

27. (Currently Amended): The cooling media pack according to claim 21, wherein the angle at which ridges of each of the sheets are oriented with respect to the horizontal is at an angle of about 26.6°, with respect to the horizontal.

28. (Original): The cooling media pack according to claim 21, wherein each of the sheets is formed from a material selected from the group consisting of plastic, metal, tile, paper, and ceramic.

29. (New): A cooling media pack comprising:

a plurality of alternating sheets each of which comprises:

 a plurality of ridges; and

 a plurality of voids,

wherein each sheet has an undulating shape,

wherein the ridges of every other sheet are oriented substantially in a first direction,

wherein the ridges of the adjacent sheets are oriented substantially in a different direction,

wherein each of the ridges comprises a peak and a trough,

wherein the peaks of one sheet are joined to the troughs of a sheet adjacent to it,

wherein the ridges of each of the sheets are oriented at an angle between about 20° and about 50°, with respect to the horizontal, and

 wherein the cooling media is configured, by: (a) a ratio of the area occupied by the voids to the surface area of the sheet; and (b) an angle at which the ridges are oriented with respect to the horizontal, to be used in: (i) counter-flow film-fill cooling towers; (ii) counter-flow splash-fill cooling towers; and (iii) cross-flow splash-fill cooling towers.

30. (New): The cooling media pack according to claim 29, wherein the angle at which ridges of each of the sheets are oriented with respect to the horizontal is between about 25° and about 35°.

31. (New): The cooling media pack according to claim 30, wherein the angle at which ridges of each of the sheets are oriented with respect to the horizontal is about 26.6°.

32. (New): The cooling media pack according to claim 30, wherein the angle at which ridges of each of the sheets are oriented with respect to the horizontal is about 31°.